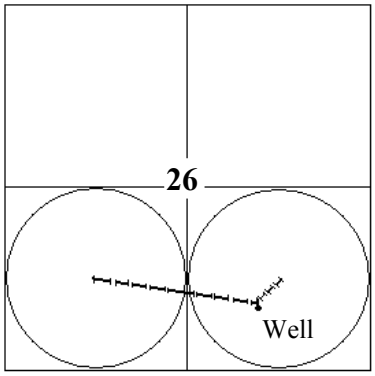
DATA SHEET FOR FLOWMETER

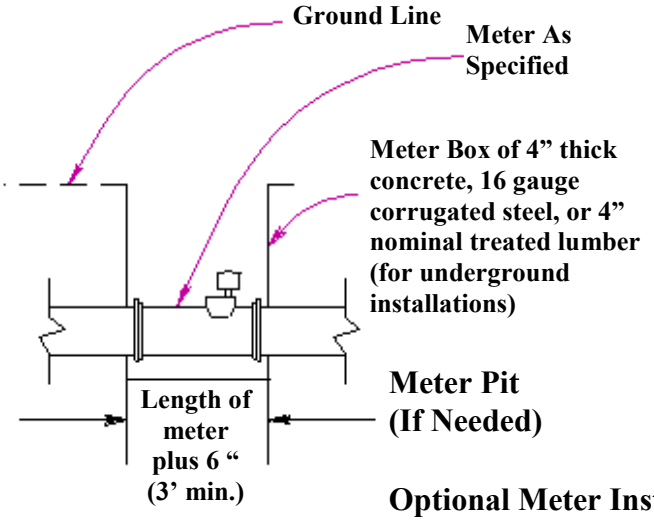
NRD *UNWNRD* **Field Office** *Alliance*
Cooperator *John Doe*
Location *3 miles west and 3.5 miles north of Hemingford*
Well Registration No. *921292*
Water Source: Groundwater *X* **Surface Water** ____
Unobstructed Straight Pipe Distance Upstream of Meter *12* **Diameters**
Unobstructed Straight Pipe Distance Downstream of Meter *6* **Diameters**
Full Pipe Flow Guaranteed: Yes *X* **No** ____
Downstream "hump" needed: Yes ____ **No** *X*
Meter Pit Needed: Yes ____ **No** *X*
Straightening Vanes Needed: Yes ____ **No** *X*
Cleanout Required: Yes ____ **No** *X* **, Located Upstream** ____ **Downstream** ____ **of meter.**



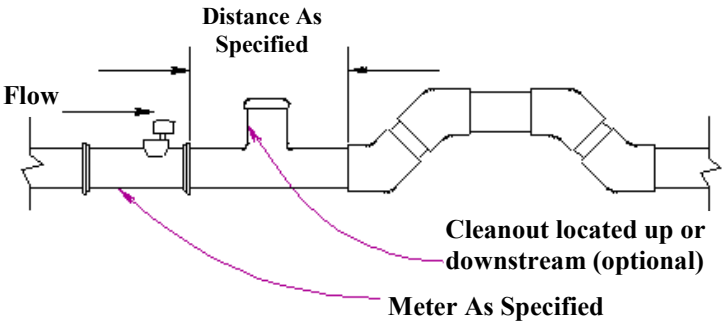
Location Map: *SE ¼* **Sec.** *26*
T *28N* **R** *50W*

Requirements for straight pipe distance up and downstream of meter, and the use of straightening vanes vary by meter type, manufacturer, and the type of upstream and downstream obstructions. These requirements MUST BE OBTAINED AND APPROVED BY THE NRCS TECHNICIAN before installation. If this data is NOT AVAILABLE, the required distance of straight unobstructed pipe is 10 diameters upstream and 2 diameters downstream (see exception for vortex meters below). The upstream distance is increased to 20 diameters if there is a valve or other device that creates jetting flow conditions. If straightening vanes are used, the upstream distance is reduced to 5 diameters behind bends and elbows, and 10 diameters behind jetting flow conditions. Unless other specified by the manufacturer vortex type meters require 5 diameters of straight unobstructed pipe downstream of the valve.

Meter Brand (or equal) *Fluidyne* **Model** *HF-2200* **Diameter** *8"* **Serial No.** *H010413.019*
Meter Type Propeller ____ **Vortex** *X* **Other** ____ **(Specify)**
(Attach Construction Specification NE-209 Irrigation Flowmeter)
(Sketch plan view and profile view (optional) on reverse side of form.)



Meter Pit (If Needed)

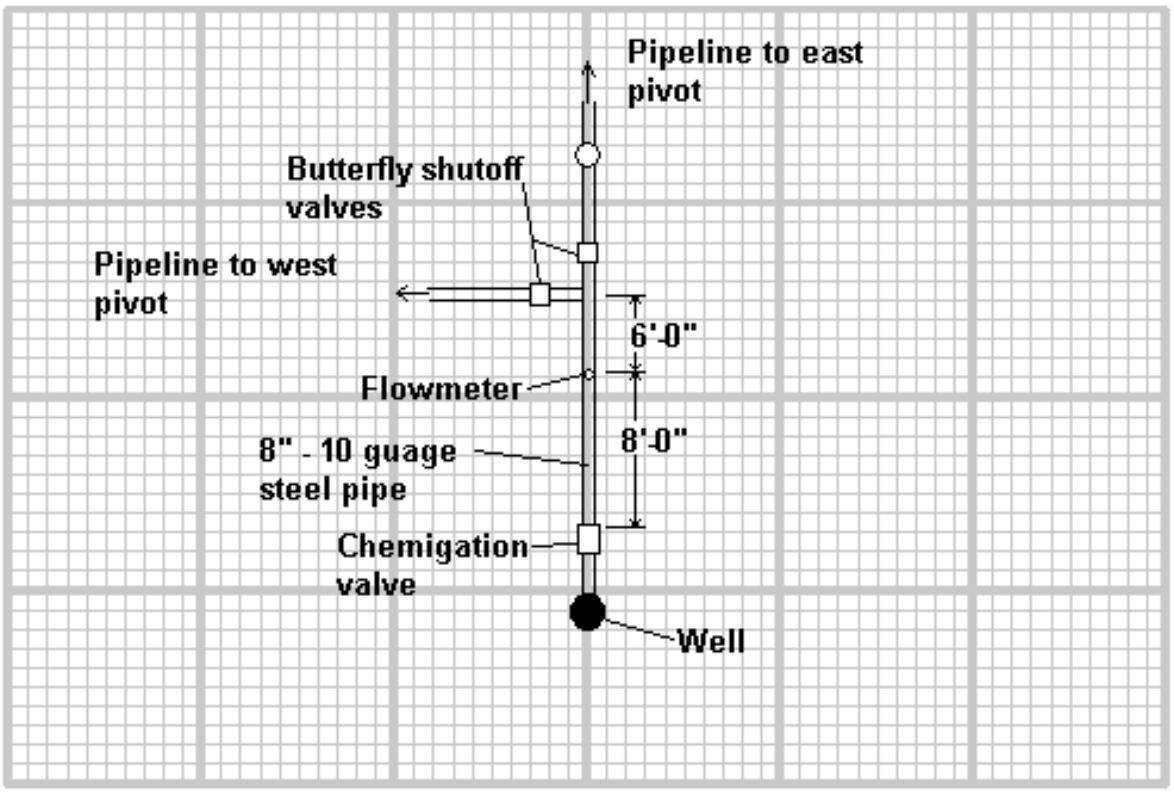


Downstream "hump" (If Needed)

Optional Meter Installation Details

Designed by *CES* **Date** *9/5/01* **Checked by** *RW* **Date** *9/7/01*
Approved by *CES* **Date** *9/7/01*
Installation Certified by ____ **Date** ____

PLAN VIEW
SCALE: 1" = ___10_____ FEET



PROFILE VIEW (optional)
SCALE: 1" = _____ FEET